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August 10, 2004

Linda S. Evans
Johnson & Johnson
One Johnson & Johnson Plaza
New Brunswick, NJ 08933-7003

In re application of:
Darrow et al
No.: 10/015,989
Filed: December 10, 2001
For: Zymogen Activation System

In response to the petition received on February 26, 2004, to withdraw the holding of abandonment in the above application. A copy of the sequence list sent March 25, 2002, has not reached the application. Enclosed is a copy of the raw sequence listing error report.

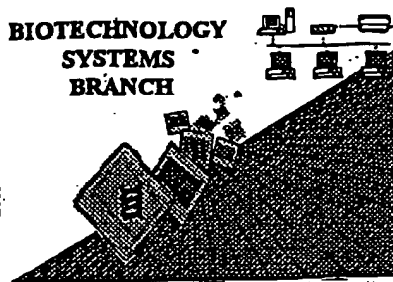
Please submit these documents to complete the application.

Telephone inquiries concerning this matter may be directed to Doshie E. Day at (703) 308-3640.

Doshie E. Day
Program Management Assistant
Office Initial Patent Examination

RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/015,989
Source: 01/16
Date Processed by STIC: 1/3/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE: SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<http://www.uspto.gov/ebs/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

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Raw Sequence Listing Error Summary

ERROR DETECTEDSUGGESTED CORRECTIONSERIAL NUMBER: 10/015,989

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 J Wrapped Nucleics
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
Numbering The numbering under each 3rd amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 J Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII-text.
- 5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
(OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
(NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OICE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/015,989

DATE: 01/03/2002

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

7 <110> APPLICANT: DARROW, ANDREW
10 QI, JENSON
13 ANDRADE-GORDON, PATRICIA
19 <120> TITLE OF INVENTION: ZYMOGEN ACTIVATION SYSTEM
25 <130> FILE REFERENCE: ORT-1552
31 <140> CURRENT APPLICATION NUMBER: US/10/015,989
34 <141> CURRENT FILING DATE: 2001-12-10
40 <160> NUMBER OF SEQ ID NOS: 60
46 <170> SOFTWARE: PATENTIN VER. 2.0

*see item 4 on
Error Summary
Sheet*

*Does Not Comply 1/12
Corrected Diskette Needed*

ERRORED SEQUENCES

52 <210> SEQ ID NO: 1
55 <211> LENGTH: 361
58 <212> TYPE: DNA
61 <213> ORGANISM: ARTIFICIAL SEQUENCE
67 <220> FEATURE:
70 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
73 VECTORS.
79 <400> SEQUENCE: 1
E--> 82 gaattcacca ccatggacag caaagggttcg tcgcagaaat cccgcctgct
83 cctgctgctg 60
E--> 86 gtggtgtcaa atctactctt gtgccagggt gtggtctccg actacaagga
87 cgacgacgac 120
E--> 90 tgggacgcgg ccgctcttgc tgcccccttt gatgatgatg acaagatcgt
91 tgggggctat 180
E--> 94 gctctagata gcggccgctt cccttttagtg agggttaatg cttegagcag
95 acatgataag 240
E--> 98 atacattgat gagtttggac aaaccacaac tagaatgcag tgaaaaaaat
99 gctttatttg 300
E--> 102 tgaaatttgt gatgctattg ctttatttgt aaccattata agctgcaata
103 aacaagttga 360
106 c
112 <210> SEQ ID NO: 2
115 <211> LENGTH: 301
118 <212> TYPE: DNA
121 <213> ORGANISM: ARTIFICIAL SEQUENCE
127 <220> FEATURE:
130 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
133 VECTORS.
139 <400> SEQUENCE: 2
E--> 142 gaattcacca tgaatccact cctgatcctt acctttgtgg cgcccgctct
143 tgctgcccc 60
E--> 146 tttgatgatg atgacaagat cgttgggggc tattgtctag ataccctac
147 gatgtgccc 120
E--> 150 attacgccta gcggccgctt cccttttagtg agggttaatg cttegagcag

*FYI: nucleotides must
be in lower-case letters
when sequence listing is*

*in new
sequence rules
format*

*60 ← format (see
error item 1
on
Error
Summary
Sheet)*

361

same format error

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/015,989

DATE: 01/03/2002
TIME: 15:41:56

Input Set : A:\ES.txt
Output Set: N:\CRF3\01032002\J015989.raw

151 acatgataag 180
E--> 154 atacattgat gagtttggac aaaccacaac tagaatgcag tgaaaaaaat
155 gctttatttg 240
E--> 158 tgaaatttgt gatgctattg ctttatttgt aaccattata agctgcaata
159 aacaagtga 300
162 c
168 <210> SEQ ID NO: 3
171 <211> LENGTH: 484
174 <212> TYPE: DNA
177 <213> ORGANISM: ARTIFICIAL SEQUENCE
183 <220> FEATURE:
186 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
189 VECTORS.
195 <400> SEQUENCE: 3
E--> 198 gaattcacca ccatggacag caaagggttcg tcgcagaaat cccgcctgct
199 cctgctgctg 60
E--> 202 gtggtgtcaa atctactctt gtgccagggt gtggtctccg actacaagga
203 cgacgacgac 120
E--> 206 gtggacgcgg ccgctcttgc tgcccccttt atcgaggggc gcattgtgga
207 gggtcggat 180
E--> 210 ctagataccc ctacgatgtg cccgattacg ccgctagata cccctacgat
211 gtgcccatt 240
E--> 214 acgcccgtag ataccactac gatgtgcccg attacgccgc tagatacccc
215 taccgatgtgc 300
E--> 218 ccgattacgc ctacggcccg cttcccttta gtgagggtta atgcttcgag
219 cagacatgat 360
E--> 222 aagatacatt gatgagtttg gacaaaccac aactagaatg cagtgaaaaa
223 aatgctttat 420
E--> 226 ttgtgaaatt tgtgatgcta ttgctttatt tgtaaccatt ataagctgca
227 ataaacaagt 480
230 tgac
236 <210> SEQ ID NO: 4
239 <211> LENGTH: 382
242 <212> TYPE: DNA
245 <213> ORGANISM: ARTIFICIAL SEQUENCE
251 <220> FEATURE:
254 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
257 VECTORS.
263 <400> SEQUENCE: 4
E--> 266 gaattcacca ccatggacag caaagggttcg tcgcagaaat cccgcctgct
267 cctgctgctg 60
E--> 270 gtggtgtcaa atctactctt gtgccagggt gtggtctccg actacaagga
271 cgacgacgac 120
E--> 274 gtggacgcgg ccgctcttgc tgcccccttt gatgatgatg acaagatcgt
275 tgggggtac 180
E--> 278 aactgtctag acatcaccat caccatcact agcggccgct tccctttagt
279 gagggttaat 240
E--> 282 gcttcgagca gacatgataa gatacattga tgagtttgga caaaccacaa
283 ctagaatgca 300

same

-301 -

same

484

same

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

E--> 286 gtgaaaaaaa tgctttattt gtgaaatttg tgatgctatt gctttatttg
287 taaccattat 360
290 aagctgcaat aaacaagttg ac
296 <210> SEQ ID NO: 5
299 <211> LENGTH: 352
302 <212> TYPE: DNA
305 <213> ORGANISM: ARTIFICIAL SEQUENCE
311 <220> FEATURE:
314 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
317 VECTORS.
323 <400> SEQUENCE: 5
E--> 326 gaattcacca ccatggcttt cctctggetc ctctcctgct gggccctect
327 gggtagcacc 60
E--> 330 ttcggctgcg ggggtccccga ctacaaggac gacgacgacg cggccgctct
331 tgctgcccc 120
E--> 334 tttgatgatg atgacaagat cggtgggggc tatgctctag acatcaccat
335 caccatcact 180
E--> 338 agcggccgct tcccttttagt gaggggtaat gcttcgagca gacatgataa
339 gatacattga 240
E--> 342 tgagtttggg caaaccacaa ctagaatgca gtgaaaaaaa tgctttattt
343 gtgaaatttg 300
E--> 346 tgatgctatt gctttatttg taaccattat aagctgcaat aaacaagttg
347 ac 352
353 <210> SEQ ID NO: 6
356 <211> LENGTH: 385
359 <212> TYPE: DNA
362 <213> ORGANISM: ARTIFICIAL SEQUENCE
368 <220> FEATURE:
371 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
374 VECTORS.
380 <400> SEQUENCE: 6
E--> 383 gaattcacca ccatggcttt cctctggetc ctctcctgct gggccctect
384 gggtagcacc 60
E--> 387 ttcggctgcg ggggtccccga ctacaaggac gacgacgacg cggccgctct
388 tgctgcccc 120
E--> 391 tttgatgatg atgacaagat cggtgggggc tatgctctag ataccctac
392 gatgtgccc 180
E--> 395 attacgccc tagacatcac catcaccatc actagcggcc gcttcccttt
396 agtgagggtt 240
E--> 399 aatgcttcga gcagacatga taagatacat tgatgagttt ggacaaacca
400 caactagaat 300
E--> 403 gcagtgaaaa aaatgcttta tttgtgaaat ttgtgatgct attgctttat
404 ttgtaaccat 360
407 tataagctgc aataaacaag ttgac
413 <210> SEQ ID NO: 7
416 <211> LENGTH: 1169
419 <212> TYPE: DNA
422 <213> ORGANISM: ARTIFICIAL SEQUENCE
428 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

431 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
434 WITH HOMO SAPIEN SERINE PROTEASE CATALYTIC DOMAIN
440 <400> SEQUENCE: 7
E--> 443 gaattcacca ccatggacag caaagggttcg tcgcagaaat cccgcctgct
444 cctgctgctg 60
E--> 447 gtggtgtcaa atctactett gtgccagggt gtggtctccg actacaagga
448 cgacgacgac 120
E--> 451 gtggacgagg ccgctcttgc tgcccccttt gatgatgatg acaagatcgt
452 tgggggctat 180
E--> 455 gctctagagg ccggtcagtg gccctggcag gtcagcatca cctatgaagg
456 cgtccatgtg 240
E--> 459 tgtggtggct ctctcgtgtc tgagcagtggt gtgctgtcag ctgctcactg
460 ctccccagc 300
E--> 463 gagcaccaca aggaagccta tgagggtcaag ctggggggccc accagctaga
464 ctctactcc 360
E--> 467 gaggacgcca aggtcagcac cctgaaggac atcatcccc accccagcta
468 cctccaggag 420
E--> 471 ggtccagg ggcacattgc actctccaa ctccagcagc ccatcacctt
472 ctcccgtac 480
E--> 475 atccggccca tctgctccc tgcagccaac gctctctcc ccaacggcct
476 ccactgcact 540
E--> 479 gtcactggct ggggtcatgt ggccccctca gtgagcctcc tgacgcccac
480 gccactgcag 600
E--> 483 caactcgagg tgctctgat cagtcgtgag acgtgtaact gcctgtacaa
484 catcgacgcc 660
E--> 487 aagcctgagg agccgcactt tgtccaagag gacatggtgt gtgctggcta
488 tgtggagggg 720
E--> 491 ggcaaggacg cctgccaggg tgactctggg ggccccactct cctgccccgt
492 ggagggtctc 780
E--> 495 tggtagctga cgggcattgt gagctgggga gatgcctgtg gggccccgaa
496 caggcctggt 840
E--> 499 gtgtacactc tggcctccag ctatgcctcc tggatccaaa gcaagggtgac
500 agaactccag 900
E--> 503 cctcgtgtgg tgccccaaac ccaggagtcc cagcccgaca gcaacctctg
504 tggcagccac 960
E--> 507 ctggccttca gctctagaca tcaccatcac catcactagc ggccgcttcc
508 ctttagtgag 1020
E--> 511 ggttaagtgt tcgagcagac atgataagat acattgatga gtttggacaa
512 accacaacta 1080
E--> 515 gaatgcagtg aaaaaaatgc tttatttgtg aaatttgtga tgctattgct
516 ttatttgtaa 1140
519 ccattataag ctgcaataaa caagttgac
525 <210> SEQ ID NO: 8
528 <211> LENGTH: 1142
531 <212> TYPE: DNA
534 <213> ORGANISM: ARTIFICIAL SEQUENCE
540 <220> FEATURE:
543 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
546 WITH HOMO SAPIEN SERINE PROTEASE CATALYTIC DOMAIN

same

1169

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

552 <400> SEQUENCE: 8

E--> 555 gaattcacca ccattgcttt cctctggctc ctctcctgct gggccctcct
556 ggggtaccacc 60
E--> 559 ttctggctgcg ggggtcccca ctacaaggac gacgacgacg cggccgctct
560 tgcctgcccc 120
E--> 563 tttgatgatg atgacaagat cgttgggggc tatgctctag aggcgggtca
564 gtggccctgg 180
E--> 567 caggtcagca tcacctatga aggcgtccat gtgtgtgggtg gctctctcgt
568 gtctgagcag 240
E--> 571 tgggtgctgt cagctgctca ctgcttcccc agcgagcacc acaaggaagc
572 ctatgaggtc 300
E--> 575 aagctggggg cccaccagct agactcctac tccgaggacg ccaaggctcag
576 caccctgaag 360
E--> 579 gacatcatcc cccaccccag ctacctccag gagggtcccc agggcgacat
580 tgcactctc 420
E--> 583 caactcagca gacctcac cttctccgcg tacatccggc ccattctgct
584 ccctgcagcc 480
E--> 587 aacgctcct tccccaacgg cctccaactg actgtcaactg gctgggggtca
588 tgtggccccc 540
E--> 591 tcagtggagc tcttgacgcc caagccactg cagcaactcg aggtgacctt
592 gatcagtcgt 600
E--> 595 gagacgtgta actgcctgta caacatcgac gccaaagcctg aggagccgca
596 ctttgtccaa 660
E--> 599 gaggacatgg tgtgtgctgg ctatgtggag gggggcaagg acgcttgcca
600 ggggtgactt 720
E--> 603 gggggccccc tctctgccc tgtggagggt ctctggtacc tgacgggcat
604 tgtgagctgg 780
E--> 607 ggagatgctt gtggggcccg caacaggcct ggtgtgtaca ctctggcctc
608 cagctatgcc 840
E--> 611 tcttgatccc aaagcaagggt gacagaactc cagcctcgtg tgggtgcccc
612 aacccaggag 900
E--> 615 tcccagcccg acagcaacct ctgtggcagc cacctggcct tcagctctag
616 acatcaccat 960
E--> 619 caccatcact agcggccgct tccctttagt gagggttaat gcttcgagca
620 gacatgataa 1020
E--> 623 gatacattga tgagtttggg caaaccacaa ctagaatgca gtgaaaaaaaa
624 tgcctttattt 1080
E--> 627 gtgaaatttg tgatgctatt gctttatttg taaccattat aagctgcaat
628 aaacaagttg 1140
631 ac
637 <210> SEQ ID NO: 9
640 <211> LENGTH: 1049
643 <212> TYPE: DNA
646 <213> ORGANISM: ARTIFICIAL SEQUENCE
652 <220> FEATURE:
655 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
658 WITH HOMO SAPIEN SERINE PROTEASE CATALYTIC DOMAIN
664 <400> SEQUENCE: 9
E--> 667 gaattcacca ccattggacag caaagggttcg tcgcagaaat cccgctgct

1142

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/015,989

DATE: 01/03/2002

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

668 cctgctgctg 60
E--> 671 gtggtgtcaa atctactctt gtgccagggt gtggtctccg actacaagga
672 cgacgacgac 120
E--> 675 gtggacgagg ccgctcttgc tgcccccttt gatgatgatg acaagatcgt
676 tggggggtac 180
E--> 679 aactgtctag aacccattc gcagccttgg caggcggcct tgttcaggg
680 ccagcaacta 240
E--> 683 ctctgtggcg gtgtccttgt aggtggcaac tgggtcctta cagctgccca
684 ctgtaaaaaa 300
E--> 687 ccgaaataca cagtacgcct gggagaccac agcctacaga ataaagatgg
688 ccagagcaa 360
E--> 691 gaaatacctg tggttcagtc catccacac ccctgttaca acagcagcga
692 tgtggaggac 420
E--> 695 cacaaccatg atctgatgct tcttcaactg cgtgaccagg catccctggg
696 gtccaaagtg 480
E--> 699 aagcccatca gcctggcaga tcattgcacc cagcctggcc agaagtgcac
700 cgtctcaggc 540
E--> 703 tggggcactg tcaccagtc ccgagagaat tttcctgaca ctctcaactg
704 tgcagaagta 600
E--> 707 aaaatctttc cccagaagaa gtgtgaggat gcttaccggg ggcagatcac
708 agatggcatg 660
E--> 711 gtctgtgcag gcagcagcaa aggggctgac acgtgccagg gcgattctgg
712 agggccctg 720
E--> 715 gtgtgtgatg gtgcactcca gggcatcaca tcctgggggt cagaccctg
716 tgggaggtcc 780
E--> 719 gacaaacctg gcgtctatac caacatctgc cgctacctgg actggatcaa
720 gaagatcata 840
E--> 723 ggcagcaagg gctctagaca tcaccatcac catcactage ggcgcttcc
724 ctttagtgag 900
E--> 727 ggttaatgct tcgagcagac atgataagat acattgatga gtttggacaa
728 accacaacta 960
E--> 731 gaatgcagtg aaaaaaatgc tttatttgtg aaatttgtga tgctattgct
732 ttatttgtaa 1020
735 ccattataag ctgcaataaa caagttgac
741 <210> SEQ ID NO: 10
744 <211> LENGTH: 1052
747 <212> TYPE: DNA
750 <213> ORGANISM: ARTIFICIAL SEQUENCE
756 <220> FEATURE:
759 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE
762 WITH HOMO SAPIEN SERINE PROTEASE CATALYTIC DOMAIN
768 <400> SEQUENCE: 10
E--> 771 gaattcacca ccatggacag caaagggttcg tcgcagaaat cccgcctgct
772 cctgctgctg 60
E--> 775 gtggtgtcaa atctactctt gtgccagggt gtggtctccg actacaagga
776 cgacgacgac 120
E--> 779 gtggacgagg ccgctcttgc tgcccccttt gatgatgatg acaagatcgt
780 tggggggtac 180
E--> 783 aactgtctag aaaagcactc ccagccctgg caggcagccc tgttcgagaa

1049

same

same

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/015,989

DATE: 01/03/2002

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

784 gacgcggcta 240
 E--> 787 ctctgtgggg cgacgtcat cgccccaga tggctcctga cagcagccca
 788 ctgcctcaag 300
 E--> 791 ccccgctaca tagttcacct ggggcagcac aacctccaga aggaggaggg
 792 ctgtgagcag 360
 E--> 795 acccggacag ccactgagtc ctccccccac cccggcttca acaacagcct
 796 ccccaacaaa 420
 E--> 799 gaccaccgca atgacatcat gctggtgaag atggcatcgc cagtctccat
 800 cacctgggct 480
 E--> 803 gtgcgacccc tcacctctc ctcacgtgtg gtcactgtg gcaccagctg
 804 cctcatttcc 540
 E--> 807 ggctggggca gcaggtccag cccccagtta cgctgcctc acaccttgcg
 808 atgcgccaac 600
 E--> 811 atcaccatca ttgagcacca gaagtgtgag aacgcctacc ccggcaacat
 812 cacagacacc 660
 E--> 815 atggtgtgtg ccagcgtgca ggaagggggc aaggactcct gccaggggtga
 816 ctccgggggc 720
 E--> 819 cctctggtct gtaaccagtc tcttcaaggc attatctcct ggggccagga
 820 tccgtgtgcy 780
 E--> 823 atcaccgaa agcctggtgt ctacacgaaa gtctgcaaat atgtggactg
 824 gatccaggag 840
 E--> 827 acgatgaaga acaattctag acatcaccat caccatcact agcggccgct
 828 tcccttttagt 900
 E--> 831 gagggttaat gcttcgagca gacatgataa gatacattga tgagtttgga
 832 caaaccacaa 960
 E--> 835 ctagaatgca gtgaaaaaaaa tgctttattt gtgaaatttg tgatgctatt

836 gctttatttg 1020
 839 taaccattat aagctgcaat aaacaagttg ac

1067 <210> SEQ ID NO: 12

1070 <211> LENGTH: 319

1073 <212> TYPE: PRT

1076 <213> ORGANISM: ARTIFICIAL SEQUENCE

1082 <220> FEATURE:

1085 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: FUSION GENE

1088 WITH HOMO SAPIEN SERINE PROTEASE CATALYTIC DOMAIN

1094 <400> SEQUENCE: 12

1097 MET ALA PHE LEU TRP LEU LEU SER CYS TRP ALA LEU LEU GLY THR THR

1100 1 5 10 15

1106 PHE GLY CYS GLY VAL PRO ASP TYR LYS ASP ASP ASP ASP ALA ALA ALA

1109 20 25 30

1115 LEU ALA ALA PRO PHE ASP ASP ASP ASP LYS ILE VAL GLY GLY TYR ALA

1118 35 40 45

1124 LEU GLU ALA GLY GLN TRP PRO TRP GLN VAL SER ILE THR TYR GLU GLY

1127 50 55 60

1133 VAL HIS VAL CYS GLY GLY SER LEU VAL SER GLU GLN TRP VAL LEU SER

1136 65 70 75 80

1142 ALA ALA HIS CYS PHE PRO SER GLU HIS HIS LYS GLU ALA TYR GLU VAL

1145 85 90 95

1151 LYS LEU GLY ALA HIS GLN LEU ASP SER TYR SER GLU ASP ALA LYS VAL

1052

see
p. 8, too

Per sequence
 Rules (1.822)
 only the first
 letter of
 amino acid is
 in upper-case.
 e.g. Met Ala

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

1154 100 105 110
1160 SER THR LEU LYS ASP ILE ILE PRO HIS PRO SER TYR LEU GLN GLU GLY
1163 115 120 125
1169 SER GLN GLY ASP ILE ALA LEU LEU GLN LEU SER ARG PRO ILE THR PHE
1172 130 135 140
1178 SER ARG TYR ILE ARG PRO ILE CYS LEU PRO ALA ALA ASN ALA SER PHE
1181 145 150 155 160
1187 PRO ASN GLY LEU HIS CYS THR VAL THR GLY TRP GLY HIS VAL ALA PRO
1190 165 170 175
1196 SER VAL SER LEU LEU THR PRO LYS PRO LEU GLN GLN LEU GLU VAL PRO
1199 180 185 190
1205 LEU ILE SER ARG GLU THR CYS ASN CYS LEU TYR ASN ILE ASP ALA LYS
1208 195 200 205
1214 PRO GLU GLU PRO HIS PHE VAL GLN GLU ASP MET VAL CYS ALA GLY TYR
1217 210 215 220
1223 VAL GLU GLY GLY LYS ASP ALA CYS GLN GLY ASP SER GLY GLY PRO LEU
1226 225 230 235 240
1232 SER CYS PRO VAL GLU GLY LEU TRP TYR LEU THR GLY ILE VAL SER TRP
1235 245 250 255
1241 GLY ASP ALA CYS GLY ALA ARG ASN ARG PRO GLY VAL TYR THR LEU
E--> 1242 ALA
E--> 1245 260 265 270
1251 SER SER TYR ALA SER TRP ILE GLN SER LYS VAL THR GLU LEU GLN PRO
E--> 1254 275 280 285
1260 ARG VAL VAL PRO GLN THR GLN GLU SER GLN PRO ASP SER ASN LEU CYS
E--> 1263 290 295 300
1269 GLY SER HIS LEU ALA PHE SER SER ARG HIS HIS HIS HIS HIS HIS
E--> 1272 305 310 315
2409 <210> SEQ ID NO: 35
2412 <211> LENGTH: 55
2415 <212> TYPE: DNA
2418 <213> ORGANISM: ARTIFICIAL SEQUENCE
2424 <220> FEATURE:
2427 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
2430 OLIGONUCLEOTIDE
2436 <400> SEQUENCE: 35
E--> 2439 aattcaccac catggetttc ctctggetcc tctctgctg ggcctctctg
2440 ggtac 55
2446 <210> SEQ ID NO: 36
2449 <211> LENGTH: 47
2452 <212> TYPE: DNA
2455 <213> ORGANISM: ARTIFICIAL SEQUENCE
2461 <220> FEATURE:
2464 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
2467 OLIGONUCLEOTIDE
2473 <400> SEQUENCE: 36
E--> 2476 ccaggagggc ccagcaggag aggagccaga ggaaagccat ggtgggtg
2477 47
2483 <210> SEQ ID NO: 37

convert
last two letters of
amino acids
to lower-case
letters

move up

move up - see
item 1
on Enov
summary
sheet

same
error

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

2486 <211> LENGTH: 45
2489 <212> TYPE: DNA
2492 <213> ORGANISM: ARTIFICIAL SEQUENCE
2498 <220> FEATURE:
2501 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
2504 OLIGONUCLEOTIDE
2510 <400> SEQUENCE: 37
E--> 2513 caccttcggc tgcggggtcc ccgactacaa ggacgacgac gacgc *same*
2514 45
2520 <210> SEQ ID NO: 38
2523 <211> LENGTH: 53
2526 <212> TYPE: DNA
2529 <213> ORGANISM: ARTIFICIAL SEQUENCE
2535 <220> FEATURE:
2538 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
2541 OLIGONUCLEOTIDE
2547 <400> SEQUENCE: 38
E--> 2550 ggccgcgtcg tcgtcgtcct tgtagtcggg gaccccgag ccgaagggtg *same*
2551 tac 53
2629 <210> SEQ ID NO: 41
2632 <211> LENGTH: 55
2635 <212> TYPE: DNA
2638 <213> ORGANISM: ARTIFICIAL SEQUENCE
2644 <220> FEATURE:
2647 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
2650 OLIGONUCLEOTIDE
2656 <400> SEQUENCE: 41
E--> 2659 ggccgctctt gctgccccct ttgatgatga tgacaagatc gttgggggct *same*
2660 atgct 55
2666 <210> SEQ ID NO: 42
2669 <211> LENGTH: 55
2672 <212> TYPE: DNA
2675 <213> ORGANISM: ARTIFICIAL SEQUENCE
2681 <220> FEATURE:
2684 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
2687 OLIGONUCLEOTIDE
2693 <400> SEQUENCE: 42
E--> 2696 ctagagcata gcccccaacg atcttgatcat catcatcaaa gggggcagca *same*
2697 agagc 55
2703 <210> SEQ ID NO: 43
2706 <211> LENGTH: 55
2709 <212> TYPE: DNA
2712 <213> ORGANISM: ARTIFICIAL SEQUENCE
2718 <220> FEATURE:
2721 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
2724 OLIGONUCLEOTIDE
2730 <400> SEQUENCE: 43
E--> 2733 ggccgctctt gctgccccct ttgatgatga tgacaagatc gttgggggct *same*
2734 attgt 55

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/015,989

DATE: 01/03/2002

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

2740 <210> SEQ ID NO: 44
2743 <211> LENGTH: 55
2746 <212> TYPE: DNA
2749 <213> ORGANISM: ARTIFICIAL SEQUENCE
2755 <220> FEATURE:
2758 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
2761 OLIGONUCLEOTIDE
2767 <400> SEQUENCE: 44
E--> 2770 ctagacaata gcccccaacg atcttgtcat catcatcaaa gggggcagca
2771 agagc 55
2777 <210> SEQ ID NO: 45
2780 <211> LENGTH: 52
2783 <212> TYPE: DNA
2786 <213> ORGANISM: ARTIFICIAL SEQUENCE
2792 <220> FEATURE:
2795 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
2798 OLIGONUCLEOTIDE
2804 <400> SEQUENCE: 45
E--> 2807 ggccgctctt gctgccccct ttatcgaggg gcgcattgtg gagggctcgg
2808 at 52
2814 <210> SEQ ID NO: 46
2817 <211> LENGTH: 52
2820 <212> TYPE: DNA
2823 <213> ORGANISM: ARTIFICIAL SEQUENCE
2829 <220> FEATURE:
2832 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE:
2835 OLIGONUCLEOTIDE
2841 <400> SEQUENCE: 46
E--> 2844 ctagatccga gccctccaca atgcgccccct cgataaaggg ggcagcaaga
2845 gc 52
3280 <210> SEQ ID NO: 54
3283 <211> LENGTH: 284
3286 <212> TYPE: PRT
3289 <213> ORGANISM: ARTIFICIAL SEQUENCE
3295 <220> FEATURE:
3298 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: HUMAN MH2
3301 PROTEASE IN PFEK ZYMOGEN VECTOR
3307 <400> SEQUENCE: 54
3310 MET ASP SER LYS GLY SER SER GLN LYS SER ARG LEU LEU LEU LEU LEU
3313 1 5 10 15
3319 VAL VAL SER ASN LEU LEU LEU CYS GLN GLY VAL VAL SER ASP TYR LYS
3322 20 25 30
3328 ASP ASP ASP ASP VAL ASP ALA ALA ALA LEU ALA ALA PRO PHE ASP ASP
3331 35 40 45
3337 ASP ASP LYS ILE VAL GLY GLY TYR ASN CYS LEU GLU PRO HIS SER GLN
3340 50 55 60
3346 PRO TRP GLN ALA ALA LEU VAL MET GLU ASN GLU LEU PHE CYS SER GLY
3349 65 70 75 80
3355 VAL LEU VAL HIS PRO GLN TRP VAL LEU SER ALA ALA HIS CYS PHE GLN

same
same
same
please edit amino acid letters

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/015,989

DATE: 01/03/2002

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

3358 85 90 95
3364 ASN SER TYR THR ILE GLY LEU GLY LEU HIS SER LEU GLU ALA ASP GLN
3367 100 105 110
3373 GLU PRO GLY SER GLN MET VAL GLU ALA SER LEU SER VAL ARG HIS PRO
3376 115 120 125
3382 GLU TYR ASN ARG PRO LEU LEU ALA ASN ASP LEU MET LEU ILE LYS LEU
3385 130 135 140
3391 ASP GLU SER VAL SER GLU SER ASP THR ILE ARG SER ILE SER ILE ALA
3394 145 150 155 160
3400 SER GLN CYS PRO THR ALA GLY ASN SER CYS LEU VAL SER GLY TRP GLY
3403 165 170 175
3409 LEU LEU ALA ASN GLY ARG MET PRO THR VAL LEU GLN CYS VAL ASN
E--> 3410 VAL
E--> 3413 180 185 190
3419 SER VAL VAL SER GLU GLU VAL CYS SER LYS LEU TYR ASP PRO LEU TYR
E--> 3422 195 200 205
3428 HIS PRO SER MET PHE CYS ALA GLY GLY GLY HIS ASP GLN LYS ASP SER
E--> 3431 210 215 220
3437 CYS ASN GLY ASP SER GLY GLY PRO LEU ILE CYS ASN GLY TYR LEU GLN
E--> 3440 225 230 235 240
3446 GLY LEU VAL SER PHE GLY LYS ALA PRO CYS GLY GLN VAL GLY VAL PRO
E--> 3449 245 250 255
3455 GLY VAL TYR THR ASN LEU CYS LYS PHE THR GLU TRP ILE GLU LYS THR
E--> 3458 260 265 270
3464 VAL GLN ALA SER SER ARG HIS HIS HIS HIS HIS HIS
E--> 3467 275 280
3608 <210> SEQ ID NO: 59
3611 <211> LENGTH: 1103
3614 <212> TYPE: DNA
3617 <213> ORGANISM: ARTIFICIAL SEQUENCE
3623 <220> FEATURE:
3626 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: NUCLEIC ACID
3629 SEQUENCE OF HUMAN PROTEASE F IN CFEK2 ZYMOGEN
3632 VECTOR
3638 <400> SEQUENCE: 59
E--> 3641 ~~gaattcacca~~ ~~ccatggcttt~~ cctctggtct ctctctctgt gggeectct
3642 ~~gggtaccacc~~ 60
E--> 3645 ttcggctgcg gggtcccgga ctacaaggac gacgacgacg cggcctctct
3646 tgctgcccc 120
E--> 3649 tttgatgatg atgacaagat cgttgggggc tatgctctag aactcgggcg
3650 ttggcctggtg 180
E--> 3653 caggggagcc tgcgctgtg ggattccac gtagcggag tgagcctgt
3654 cagccaccgc 240
E--> 3657 tgggcaactca cggcggcgca ctgctttgaa acctatagtg acctagtga
3658 tccctccggg 300
E--> 3661 tggatgttcc agtttgcca gctgacttcc atgccatcct tctggagcct
3662 gcaggcctac 360
E--> 3665 tacaaccgtt acttcgtatc gaatatctat ctgagccctc gctacctggg
3666 gaattcaccc 420

mod up

format error

see item 1 on Error Summary sheet

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:56

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

E--> 3669 tatgacattg ccttggtgaa gctgtctgca cctgtcacct acactaaaca
3670 catccagccc 480
E--> 3673 atctgtctcc aggcctccac atttgagttt gagaaccgga cagactgctg
3674 ggtgactggc 540
E--> 3677 tgggggtaca tcaaagagga tgaggcactg ccctctcccc acaccctcca
3678 ggaagtccag 600
E--> 3681 gtcgccatca taaacaactc tatgtgcaac cacctcttcc tcaagtacag
3682 tttccgcaag 660
E--> 3685 gacatctttg gagacatggt ttgtgctggc aatgcccaag gcgggaagga
3686 tgcctgcttc 720
E--> 3689 ggtgactcag gtggaccctt ggcctgtaac aagaatggac tgtggtatca
3690 gattggagtc 780
E--> 3693 gtgagctggg gagtgggctg tggtcggccc aatcggcccg gtgtctacac
3694 caatatcagc 840
E--> 3697 caccactttg agtggatcca gaagctgatg gccagagtg gcatgtccca
3698 gccagacccc 900
E--> 3701 tcctggtcta gacatcacca tcaccatcac tagcggccgc ttccctttag
3702 tgagggttaa 960
E--> 3705 tgcttcgagc agacatgata agatacattg atgagtttgg acaaaccaca
3706 actagaatgc 1020
E--> 3709 agtgaaaaaa atgctttatt tgtgaaattt gtgatgctat tgctttattt
3710 gtaaccatta 1080
3713 taagctgcaa taaacaagtt gac

*same
error*

1103

→ Please the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 01/03/2002

PATENT APPLICATION: US/10/015,989

TIME: 15:41:57

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

L:31 M:270 C: Current Application Number differs, Replaced Application Number
L:34 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:82 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:1
L:82 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=1
M:254 Repeated in SeqNo=1
L:142 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:2
M:112 Repeated in SeqNo=2
M:254 Repeated in SeqNo=2
L:198 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:3
M:112 Repeated in SeqNo=3
M:254 Repeated in SeqNo=3
L:266 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:4
M:112 Repeated in SeqNo=4
M:254 Repeated in SeqNo=4
L:326 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:5
M:112 Repeated in SeqNo=5
M:254 Repeated in SeqNo=5
L:383 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:6
M:112 Repeated in SeqNo=6
M:254 Repeated in SeqNo=6
L:443 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:7
M:112 Repeated in SeqNo=7
M:254 Repeated in SeqNo=7
L:555 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:8
M:112 Repeated in SeqNo=8
M:254 Repeated in SeqNo=8
L:667 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:9
M:112 Repeated in SeqNo=9
M:254 Repeated in SeqNo=9
L:771 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:10
M:112 Repeated in SeqNo=10
M:254 Repeated in SeqNo=10
L:1242 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:12
M:332 Repeated in SeqNo=12
L:1719 M:112 C: (48) String data converted to lower case,
L:1755 M:112 C: (48) String data converted to lower case,
L:1791 M:112 C: (48) String data converted to lower case,
L:1827 M:112 C: (48) String data converted to lower case,
L:1863 M:112 C: (48) String data converted to lower case,
L:1899 M:112 C: (48) String data converted to lower case,
L:1935 M:112 C: (48) String data converted to lower case,
L:1971 M:112 C: (48) String data converted to lower case,
L:2007 M:112 C: (48) String data converted to lower case,
L:2043 M:112 C: (48) String data converted to lower case,
L:2079 M:112 C: (48) String data converted to lower case,
L:2115 M:112 C: (48) String data converted to lower case,
L:2151 M:112 C: (48) String data converted to lower case,

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/015,989

DATE: 01/03/2002

TIME: 15:41:57

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J015989.raw

L:2187 M:112 C: (48) String data converted to lower case,
L:2223 M:112 C: (48) String data converted to lower case,
L:2259 M:112 C: (48) String data converted to lower case,
L:2295 M:112 C: (48) String data converted to lower case,
L:2331 M:112 C: (48) String data converted to lower case,
L:2367 M:112 C: (48) String data converted to lower case,
L:2403 M:112 C: (48) String data converted to lower case,
L:2439 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:35
M:112 Repeated in SeqNo=35
L:2476 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:47 SEQ:36
M:112 Repeated in SeqNo=36
L:2513 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:45 SEQ:37
M:112 Repeated in SeqNo=37
L:2550 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:38
M:112 Repeated in SeqNo=38
L:2587 M:112 C: (48) String data converted to lower case,
L:2623 M:112 C: (48) String data converted to lower case,
L:2659 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:41
M:112 Repeated in SeqNo=41
L:2696 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:42
M:112 Repeated in SeqNo=42
L:2733 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:43
M:112 Repeated in SeqNo=43
L:2770 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:44
M:112 Repeated in SeqNo=44
L:2807 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:45
M:112 Repeated in SeqNo=45
L:2844 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:46
M:112 Repeated in SeqNo=46
L:2881 M:112 C: (48) String data converted to lower case,
L:2917 M:112 C: (48) String data converted to lower case,
L:2953 M:112 C: (48) String data converted to lower case,
L:2989 M:112 C: (48) String data converted to lower case,
L:3025 M:112 C: (48) String data converted to lower case,
L:3061 M:112 C: (48) String data converted to lower case,
L:3410 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:54
M:332 Repeated in SeqNo=54
L:3503 M:112 C: (48) String data converted to lower case,
L:3641 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:59
M:254 Repeated in SeqNo=59
L:3752 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:50 SEQ:60
M:254 Repeated in SeqNo=60

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